

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Amend claims 1 and 2.

STATUS OF THE CLAIMS

1. (Currently amended) A curved surface for use in molding applications comprising:
 - a substrate, wherein said substrate is substantially transparent to a radiation source, said substrate having a coating with a curved surface, where the curved surface is used as the mold surface and is formed by:
 - a.) depositing a radiation-curable ~~deposit~~ material on a first surface of the substrate; and
 - b.) developing the deposit-is-developed material, selectively, by passing radiation through said substrate's second surface, opposite the first surface, the radiation entering into the ~~deposit~~ material resulting in developed ~~deposit-~~ material and undeveloped ~~deposit~~ material, and where the curved surface is the surface of the developed ~~deposit~~ material away from the ~~substrate~~ substrate surface and
 - c.) removing the undeveloped material to provide the mold surface.
2. (Currently amended) A curved surface for use in molding applications comprising:
 - a substrate, wherein said substrate is substantially transparent to a radiation source, said substrate having a curved surface, where the curved surface is used as the mold surface and is formed by:
 - a.) depositing a radiation-curable ~~deposit~~ material on a first surface of the substrate; and
 - b.) developing the deposit-is-developed material, selectively, by passing the radiation through said substrate's second surface, opposite the first surface, the radiation entering into the deposit resulting in developed ~~deposit-~~ material and undeveloped ~~deposit-~~ material, the developed ~~deposit-~~ material forming a desired curved surface; and

c.) etching the developed ~~deposit~~ material ~~is etched~~ to form a ~~mirror~~ of the desired curved surface in the substrate resulting in the curved the mold surface substrate.

3. (Previously Withdrawn) A method comprising the steps of: a.) depositing a radiation-curable material onto at least one surface of a lens mold blank or lens mold insert blank; and b.) curing the radiation-curable material under conditions suitable to form an optical quality molding surface having optical characteristics on at least one surface of the radiation-curable material.

4. (Previously Withdrawn) The method of claim 3, wherein curing further comprises modulating radiation.

5. (Previously Withdrawn) The method of claim 4, wherein the modulating is carried out by using a mask, using an adaptive mirror, using spatial modulation, or using a discrete array of mirrors.

6. (Previously Withdrawn) The method of claim 4, wherein the modulation is carried out using a gray-scale mask.

7. (Previously Withdrawn) The method of claim 3, wherein the radiation-curable material is a urethane acrylate, a cycloaliphatic epoxy, a polyurethane oligomer, a hydrogenated bis-phenol A epoxy, a poly(norbornene) epoxy, or a combination thereof.

8. (Previously Withdrawn) The method of claim 4, wherein the radiation-curable material is a urethane acrylate, a cycloaliphatic epoxy, a polyurethane oligomer, a hydrogenated bis-phenol A epoxy, a poly(norbornene) epoxy, or a combination thereof.

9. (Previously Withdrawn) The method of claim 6, wherein the radiation-curable material is a urethane acrylate, a cycloaliphatic epoxy, a polyurethane oligomer, a hydrogenated bis-phenol A epoxy, a poly(norbornene) epoxy, or a combination thereof.

10. (Previously Withdrawn) The method of claim 4, wherein curing is carried out using light at about 100 to about 800 nm.
11. (Previously Withdrawn) The method of claim 6, wherein curing is carried out using light at about 100 to about 800 nm.
12. (Previously Withdrawn) A method comprising the steps of: a.) depositing a radiation-curable material onto at least one surface of a lens mold blank or lens mold insert blank; b.) curing the radiation-curable material under conditions suitable to form an optical quality molding surface having optical characteristics on at least one surface of the radiation-curable material; and c.) coating the optical quality surface.